

EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L2	1	("5991605").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/21 11:20
L4	27	(US-20020112819-\$ or US-20020105455-\$ or US-20060273255-\$ or US-20020158212-\$).did. or (US-5788692-\$ or US-7226446-\$ or US-6802840-\$ or US-6673068-\$ or US-6471696-\$ or US-6233490-\$ or US-5405346-\$ or US-5364392-\$ or US-4315510-\$ or US-4627442-\$ or US-6020795-\$ or US-5957969-\$ or US-6890331-\$ or US-5519359-\$ or US-4059803-\$ or US-5675259-\$ or US-4550609-\$ or US-5704355-\$ or US-6236366-\$ or US-6256130-\$ or US-5113065-\$ or US-6104959-\$ or US-5991605-\$).did.	US-PGPUB; USPAT	OR	OFF	2009/10/21 12:03
L5	4	4 and (phase near lock\$3)	US-PGPUB; USPAT	OR	OFF	2009/10/21 12:04
L6	91	("20010016762" "20010020178" "20010020180" "20010029368" "20010034519" "20010039416" "20010044643" "20020022836" "20020043326" "20020058932" "20020065529" "20020072645" "20020087151" "20020091427" "20020120261" "20020128642" "20020133151" "20020134779" "20020165529" "20020193783" "20020193786" "20020193849" "20030004454" "20030065317"	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/21 13:11

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L7	23	4 not L6	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/21 13:11
L8	541	607/154-156.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/21 13:20
L9	171678	microwave	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/21 13:20
L10	40691	impedance near (adjusting adjuster matching)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/21 13:20
L11	101	8 and L9 and L10	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/21 13:20
L12	41	11 and ablation	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/21 13:20

L13	38288	"local oscillator"	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/21 13:21
L14	1	11 and L13	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/21 13:21
L15	1	11 and heterodyne	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/21 13:22
L16	389640	(minimize\$1 minimizing reduce\$1 reduction reducing minimization cancellation filter filtering) with (noise reflectance reflected backscattering backscattered)	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/21 13:22
L17	65	8 and 9 and L16	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/21 13:22
L18	32	17 and ablation	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/21 13:22
L19	0	18 and 13	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/21 13:23
L20	799	606/34.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/21 13:24
L21	173	606/38.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/21 13:24
L22	4155	606/41,42.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/21 13:24
L23	40	20 and 9 and L16	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/21 13:24
L24	2	21 and 9 and L16	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/21 13:25
L25	112	22 and 9 and L16	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/21 13:25
L26	126	23 24 25	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/21 13:25
L27	105	26 and (ablat\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/21 13:25
L28	1	26 and (heterodyne "local oscillator")	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/21 13:25

L29	26	26 and 10	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/21 13:25
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S2	171383	microwave	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/13 13:09
S3	40630	impedance near (adjusting adjuster matching)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/13 13:10
S4	38226	"local oscillator"	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/13 13:10
S5	4393	complex near impedance\$1	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/13 13:10
S6	75	S2 and S1	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/13 13:10
S7	26	S3 and S1	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/13 13:10
S8	1	S7 and S4	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/13 13:10
S9	351	dynamic with S3	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/13 13:14
S10	121	S9 and microwave	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/13 13:14
S11	4079185	@ad< "20021127"	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/13 13:15
S12	41	S10 and S11	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/13 13:15
S13	509977	ablation tissue	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/13 13:15
S14	59077	ablate ablation ablating	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/13 13:15
S15	0	S14 and S12	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/13 13:15
S16	570626	medical surgical	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/13 13:15

S17	8	S16 and S12	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/13 13:16
S18	9522	S2 and S3	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/13 13:21
S19	811	S18 and S4	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/13 13:21
S20	5	S19 and S14	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/13 13:21
S21	14231	heterodyne	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/13 13:29
S22	28	S21 and microwave and ablat\$3	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/13 13:29
S23	9	S22 and S11	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/13 13:29
S24	504	606/33.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/13 15:59
S25	338	S24 and microwave	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/13 15:59
S26	3	S25 and (local near oscillator)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/13 16:00
S27	3	S25 and (detect\$3 same (magnitude and phase))	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/13 16:00
S28	38226	"local oscillator"	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/13 16:04
S29	4079185	@ad<"20021127"	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/13 16:04
S30	14231	heterodyne	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/13 16:04
S31	28	S30 and microwave and ablat\$3	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/13 16:04
S32	9	S31 and S29	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/13 16:04
S33	4	S28 and S32	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/13 16:04

S34	171383	microwave	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/13 16:04
S35	7200	S28 and S34	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/13 16:04
S36	7200	S28 and S34	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/13 16:05
S37	4352	S36 and S29	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/13 16:05
S38	8	S37 and (ablation)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/13 16:05
S39	136	S25 and S29	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/13 17:11
S40	50	S39 and (impedance with (match\$3 adjust\$3))	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/13 17:12
S41	99054	(magnitude same phase)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/13 17:12
S42	6	S41 and S40	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/13 17:12
S43	50	S39 and ((impedance impedance) with (match\$3 adjust\$3))	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/13 17:17
S44	1965322	(sensor sensing detector detecting)	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/13 17:18
S45	418934	(sensor sensing detector detecting) with (reflected forward backward reflecting radiation magnitude phase)	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/13 17:18
S46	10	S45 and S43	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/13 17:19
S47	41	("4073287" "4476872" "4611604" "5044375" "5344441" "5374287" "5398683" "5405346" "5405375" "5417208" "5450846" "5545193"). PN. OR ("5788692").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/13 17:57
S48	23	S47 and microwave	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/13 17:57

S49	82368	((impedance impedances) with (match\$3 adjust\$3))	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/13 17:57
S50	15	S49 and S47	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/13 17:58
S51	10	S50 and S29	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/13 17:58
S52	9	(US-5788692-\$ or US-7226446-\$ or US-6802840-\$ or US-6673068-\$ or US-6471696-\$ or US-6233490-\$ or US-5405346-\$ or US-5364392-\$ or US-4315510-\$).did.	USPAT	OR	OFF	2009/10/13 18:22
S53	0	S52 and (local near oscillator)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/13 18:23
S54	0	S52 and (local near oscillator\$1)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/13 18:23
S55	691	("1586645" "20010031961" "20020017306" "20020032440" "20020042610" "20020042611" "20020045895" "20020087151" "20020087157" "20020091382" "20020091383" "20020091384" "20020095145" "20020103484" "20020107513" "20020107514" "20020111613" "20020115993" "20020120263" "20020120267" "20020120316" "20020128639" "20020128642" "20020173784" "20020193783" "20020193786" "20030024537" "20030028187" "20030029462" "20030032952" "20030050630" "20030050631" "20030065327" "20030069572" "20030069574"	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/13 18:23

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S56	2	S55 and (local near oscillator\$1)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/13 18:23
S57	3	S55 and (mixer)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/13 18:25
S58	34	"triple stub tuner"	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/14 09:51
S59	1	("5957969").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/14 10:53
S60	53	("4244371" "4416276" "4494539" "4641649" "4657015" "4841990" "4924863" "4945912" "5019076" "5045056" "5100388" "5150717" "5172699" "5188122" "5246438" "5248312" "5300068" "5300099" "5507743" "5628771"). PN. OR ("5957969").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/14 10:57
S61	0	S60 and mixer	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/14 10:58

S62	7	S60 and oscillator	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/14 10:58
S63	8	S60 and oscillator\$1	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/14 10:58
S64	6	S63 and @ad<"20021127"	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/14 10:59
S65	7	("4580562" "5188122" "5720744" "5749869" "5957969" "5976128" "6010499").PN. OR ("6890331").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/14 11:00
S66	7	("4580562" "5188122" "5720744" "5749869" "5957969" "5976128" "6010499").PN. OR ("6890331").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/14 11:10
S67	46603	(local locally) with (oscillator \$1)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/14 11:14
S68	2389	S67 same microwave	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/14 11:14
S69	1020	S68 same (phase\$1 magnitude\$1)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/14 11:14
S70	0	S69 and S64	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/14 11:15
S71	465	S69 and @ad<"20021127"	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/14 11:15
S72	45996	(local with oscillator\$1)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/14 11:15
S73	22	S72 same (microwave) same (impedance\$1) same (phase\$1 and magnitude \$1)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/14 11:15
S74	1	S73 and @ad<"20021127"	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/14 11:15
S75	230	S72 same (impedance\$1) same (phase\$1 and magnitude\$1)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/14 11:19
S76	48	S75 and microwave	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/14 11:19

S77	8	S76 and @ad<"20021127"	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/14 11:19
S78	1037	607/101.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/14 11:29
S79	353	607/102.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/14 11:29
S80	5	S78 and (local with oscillator\$1)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/14 11:29
S81	167	(detector\$1 sensor\$1) with (phase with magnitude) with (forward reflected)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/14 11:34
S82	24	S81 same microwave	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/14 11:34
S83	9	S82 and @ad<"20021127"	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/14 11:34
S84	2	S78 and heterodyne	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/14 11:38
S85	755	(detector\$1 sensor\$1) with (phase with (magnitude amplitude)) with (forward reflected)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/14 11:40
S86	60	S85 same microwave	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/14 11:40
S87	4079185	@ad<"20021127"	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/14 11:40
S88	25	S86 and S87	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/14 11:40
S89	40	S85 and microwave and S67	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/14 11:41
S90	20	S89 and S87	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/14 11:41

S91	17	(US-20020112819-\$).did. or (US-5788692-\$ or US-7226446-\$ or US-6802840-\$ or US-6673068-\$ or US-6471696-\$ or US-6233490-\$ or US-5405346-\$ or US-5364392-\$ or US-4315510-\$ or US-4627442-\$ or US-6020795-\$ or US-5957969-\$ or US-6890331-\$ or US-5519359-\$ or US-4059803-\$ or US-5675259-\$).did.	US-PGPUB; USPAT	OR	OFF	2009/10/14 12:36
S92	4	S91 and (local with oscillator)	US-PGPUB; USPAT	OR	OFF	2009/10/14 12:36
S93	6	(stub with tuner) same ("local oscillator")	US-PGPUB; USPAT	OR	OFF	2009/10/14 12:42
S94	0	("2002057151").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/14 14:49
S95	0	("2002087151").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/14 14:49
S96	1	("20020087151").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/14 14:50
S97	2	((("5057106") or ("4825880")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/14 14:53
S98	13453	(heterodyne superheterodyne)	US-PGPUB; USPAT	OR	OFF	2009/10/14 15:01
S99	2419	S98 and microwave	US-PGPUB; USPAT	OR	OFF	2009/10/14 15:02
S100	1501	S99 and S87	US-PGPUB; USPAT	OR	OFF	2009/10/14 15:02
S101	40630	impedance near (adjusting adjuster matching)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/14 15:15
S102	143	S100 and S101	US-PGPUB; USPAT	OR	OFF	2009/10/14 15:15
S103	16	S102 and (ablation ablate medical surgical ablating)	US-PGPUB; USPAT	OR	OFF	2009/10/14 15:16
S104	90	S102 and S72	US-PGPUB; USPAT	OR	OFF	2009/10/14 15:25
S105	12	S104 and (ablation ablate medical surgical ablating)	US-PGPUB; USPAT	OR	OFF	2009/10/14 15:25
S106	17	ortiz.in. and laparoscopic and hand	US-PGPUB; USPAT	OR	OFF	2009/10/14 15:45
S107	340	heterodyne with mixer with local	US-PGPUB; USPAT	OR	OFF	2009/10/14 16:03

S108	562	(heterodyne superheterodyne) with mixer with local	US-PGPUB; USPAT	OR	OFF	2009/10/14 16:03
S109	148	S108 and microwave	US-PGPUB; USPAT	OR	OFF	2009/10/14 16:03
S110	106	S109 and S87	US-PGPUB; USPAT	OR	OFF	2009/10/14 16:03
S111	1	(10/536721).APP.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/14 18:22
S112	21	(US-20020112819-\$ or US-20020105455-\$).did. or (US-5788692-\$ or US-7226446-\$ or US-6802840-\$ or US-6673068-\$ or US-6471696-\$ or US-6233490-\$ or US-5405346-\$ or US-5364392-\$ or US-4315510-\$ or US-4627442-\$ or US-6020795-\$ or US-5957969-\$ or US-6890331-\$ or US-5519359-\$ or US-4059803-\$ or US-5675259-\$ or US-4550609-\$ or US-5704355-\$ or US-6236366-\$).did.	US-PGPUB; USPAT	OR	OFF	2009/10/14 19:09
S113	8	S112 and (oscillator\$1 heterodyne superheterodyne) and (impedance)	US-PGPUB; USPAT	OR	OFF	2009/10/14 19:09
S114	0	S112 and (oscillator\$1 heterodyne superheterodyne) and (impedance) and ablat\$3	US-PGPUB; USPAT	OR	OFF	2009/10/14 19:09
S115	1	S112 and electrosurgical and impedance	US-PGPUB; USPAT	OR	OFF	2009/10/14 19:48
S116	2296	"local oscillator" same (phase and (magnitude amplitude)) same mixer	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/16 11:51
S117	621	S116 and microwave	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/16 11:51
S118	4079186	@ad<"20021127"	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/16 11:51
S119	290	S117 and S118	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/16 11:51
S120	48	S119 and heterodyne	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/16 11:51

S121	129	(heterodyne with (detector \$1 detecting receiver)) same (amplitude magnitude) same phase same oscillator	US-PGPUB; USPAT	OR	OFF	2009/10/16 12:13
S122	79	S121 and S118	US-PGPUB; USPAT	OR	OFF	2009/10/16 12:13
S123	28	S122 and microwave	US-PGPUB; USPAT	OR	OFF	2009/10/16 12:13
S124	22	(US-20020112819-\$ or US-20020105455-\$ or US-20060273255-\$).did. or (US-5788692-\$ or US-7226446-\$ or US-6802840-\$ or US-6673068-\$ or US-6471696-\$ or US-6233490-\$ or US-5405346-\$ or US-5364392-\$ or US-4315510-\$ or US-4627442-\$ or US-6020795-\$ or US-5957969-\$ or US-6890331-\$ or US-5519359-\$ or US-4059803-\$ or US-5675259-\$ or US-4550609-\$ or US-5704355-\$ or US-6236366-\$).did.	US-PGPUB; USPAT	OR	OFF	2009/10/20 12:40
S125	261	heterodyne same oscillator same phase same (amplitude magnitude) same (detection)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/20 12:44
S126	42	S125 and microwave	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/20 12:44
S127	4079357	@ad< "20021127"	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/20 12:44
S128	17	S126 and S127	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/20 12:44
S129	4955	heterodyne with detect\$3	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/20 13:08
S130	3208	S129 and (phase and (amplitude magnitude))	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/20 13:08
S131	1605	S130 and S127	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/20 13:08
S132	948	S129 same (phase and (amplitude magnitude))	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/20 13:09
S133	109	S129 same (phase and (amplitude magnitude)) same mixing	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/20 13:09

S134	6	S129 same (phase and (amplitude magnitude)) same mixing same distortion	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/20 13:09
S135	109	S129 same (phase and (amplitude magnitude)) same mixing	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/20 13:11
S136	30	S135 and S127	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/20 13:11
S137	18070	(minimize reduce) with (reflectance reflected backscattering)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/20 13:16
S138	24579	S137 samd S129	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/20 13:16
S139	9	S137 same S129	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/20 13:16
S140	2	S139 and S127	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/20 13:16
S141	435	S129 with (reflectance reflected backscattering backscattered)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/20 13:18
S142	234	S141 and S127	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/20 13:18
S143	35	S142 and microwave	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/20 13:18
S144	85977	(minimize\$1 minimizing reduce\$1 reduction reducing minimization cancellation filter filtering) with (reflectance reflected backscattering backscattered)	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/20 13:19
S145	564	S144 and S129	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/20 13:19
S146	85	S144 same S129	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/20 13:19
S147	34	S146 and S127	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/20 13:19

S148	389640	(minimize\$1 minimizing reduce\$1 reduction reducing minimization cancellation filter filtering) with (noise reflectance reflected backscattering backscattered)	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/20 13:51
S149	317594	(minimize\$1 minimizing reduce\$1 reduction reducing minimization cancellation filter filtering) with (noise)	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/20 13:52
S150	1475	S149 and S129	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/20 13:52
S151	340	S150 and microwave	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/20 13:52
S152	69	S151 and (local) and (impedance) and phase	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/20 13:52
S153	42	S152 and S127	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/20 13:53
S154	90	S150 and S127 and (local) and (impedance) and phase	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/20 13:53
S155	60	S150 and S127 and (local) and (impedance) and (phase same (amplitude magnitude))	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/20 13:54
S156	529	heterodyne with advantages	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/20 14:28
S157	256	S156 and S127	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/20 14:28
S158	63	S157 and microwave	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/20 14:28

S159	24	(US-20020112819-\$ or US-20020105455-\$ or US-20060273255-\$ or US-20020158212-\$).did. or (US-5788692-\$ or US-7226446-\$ or US-6802840-\$ or US-6673068-\$ or US-6471696-\$ or US-6233490-\$ or US-5405346-\$ or US-5364392-\$ or US-4315510-\$ or US-4627442-\$ or US-6020795-\$ or US-5957969-\$ or US-6890331-\$ or US-5519359-\$ or US-4059803-\$ or US-5675259-\$ or US-4550609-\$ or US-5704355-\$ or US-6236366-\$ or US-6256130-\$).did.	US-PGPUB; USPAT	OR	OFF	2009/10/20 14:31
S160	6	S159 and heterodyne	US-PGPUB; USPAT	OR	OFF	2009/10/20 14:31
S161	13	(heterodyne with (receiver detector)) with eliminate	US-PGPUB; USPAT	OR	OFF	2009/10/20 14:44
S162	10	S161 and S127	US-PGPUB; USPAT	OR	OFF	2009/10/20 14:44
S163	1	"10536721"	US-PGPUB; USPAT	OR	OFF	2009/10/20 14:55
S164	24	(US-20020112819-\$ or US-20020105455-\$ or US-20060273255-\$ or US-20020158212-\$).did. or (US-5788692-\$ or US-7226446-\$ or US-6802840-\$ or US-6673068-\$ or US-6471696-\$ or US-6233490-\$ or US-5405346-\$ or US-5364392-\$ or US-4315510-\$ or US-4627442-\$ or US-6020795-\$ or US-5957969-\$ or US-6890331-\$ or US-5519359-\$ or US-4059803-\$ or US-5675259-\$ or US-4550609-\$ or US-5704355-\$ or US-6236366-\$ or US-6256130-\$).did.	US-PGPUB; USPAT	OR	OFF	2009/10/20 16:32
S165	21	S164 and impedance	US-PGPUB; USPAT	OR	OFF	2009/10/20 16:33
S166	6	S164 and heterodyne	US-PGPUB; USPAT	OR	OFF	2009/10/20 16:59
S167	7	("4580562" "5188122" "5720744" "5749869" "5957969" "5976128" "6010499").PN. OR ("6890331").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/20 17:52

S168	22016	((minimize\$1 minimizing reduce\$1 reduction reducing minimization cancellation filter filtering) with (reflectance reflected backscattering backscattered noise)) and microwave	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/20 19:24
S169	1063	S168 and heterodyne	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/20 19:24
S170	4079357	@ad<"20021127"	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/20 19:24
S171	510	S169 and S170	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/20 19:24
S172	325	S171 and (local near oscillator\$1)	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/20 19:25
S173	31	S172 and (medical surgical)	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/20 19:25
S174	5698	"local oscillator" same (phase same (amplitude magnitude))	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/20 19:27
S175	16878	"local oscillator" and (phase same (amplitude magnitude))	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/20 19:28
S176	361	S174 same microwave\$1	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/20 19:28
S177	107	S176 and S170	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/20 19:28
S178	0	S177 and ("606"/\$.ccls.)	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/20 19:28
S179	0	S177 and ("607"/\$.ccls.)	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/20 19:28
S180	0	S177 and ("604"/\$.ccls.)	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/20 19:28
S181	0	S177 and ("600"/\$.ccls.)	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/20 19:28
S182	589	(heterodyne with (benefits advantages))	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/20 19:33

S183	2412	(impedance with matching) with phase	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/20 19:33
S184	234	S183 same microwave	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/20 19:33
S185	8	S184 and ablation	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/20 19:33
S186	3	S185 and S170	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/20 19:33
S187	6455	(impedance with matching) same phase	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/20 19:36
S188	672	S187 same microwave	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/20 19:36
S189	9	S188 and ablation	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/20 19:36
S190	0	(advantage with heterodyne with (cancellation))	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/20 20:20
S191	3	(advantage with heterodyne same (cancellation))	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/20 20:20
S192	26	(US-20020112819-\$ or US-20060273255-\$ or US-20020158212-\$ or US-20020105455-\$).did. or (US-5113065-\$ or US-5675259-\$ or US-5519359-\$ or US-6020795-\$ or US-6236366-\$ or US-6256130-\$ or US-4059803-\$ or US-5704355-\$ or US-4627442-\$ or US-6890331-\$ or US-5788692-\$ or US-7226446-\$ or US-6673068-\$ or US-6471696-\$ or US-4315510-\$ or US-5364392-\$ or US-6802840-\$ or US-5405346-\$ or US-6233490-\$ or US-6104959-\$ or US-5957969-\$ or US-4550609-\$).did.	US-PGPUB; USPAT	OR	OFF	2009/10/20 20:25
S193	12	S192 and ((heterodyne) or (local near oscillator))	US-PGPUB; USPAT	OR	OFF	2009/10/20 20:26

S194	26	(US-20020112819-\$ or US-20020105455-\$ or US-20060273255-\$ or US-20020158212-\$).did. or (US-5788692-\$ or US-7226446-\$ or US-6802840-\$ or US-6673068-\$ or US-6471696-\$ or US-6233490-\$ or US-5405346-\$ or US-5364392-\$ or US-4315510-\$ or US-4627442-\$ or US-6020795-\$ or US-5957969-\$ or US-6890331-\$ or US-5519359-\$ or US-4059803-\$ or US-5675259-\$ or US-4550609-\$ or US-5704355-\$ or US-6236366-\$ or US-6256130-\$ or US-5113065-\$ or US-6104959-\$).did.	US-PGPUB; USPAT	OR	OFF	2009/10/21 01:13
S195	5	S194 and "local oscillator" and heterodyne	US-PGPUB; USPAT	OR	OFF	2009/10/21 01:13
S196	120	(mixer same power same phase same heterodyne)	US-PGPUB; USPAT	OR	OFF	2009/10/21 01:42
S197	58	(mixer same power same phase same heterodyne same local)	US-PGPUB; USPAT	OR	OFF	2009/10/21 01:42
S198	4079357	@ad< "20021127"	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/21 01:42
S199	39	S197 and S198	US-PGPUB; USPAT	OR	OFF	2009/10/21 01:42

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